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|------------|--|-------------|
| 28         | Hot plates for flattening sections     | 1           |
| 29         | Hot air oven for drying slides (45 °C) | 1           |
| 30         | Refrigerators (Minimum 165 litres)     | 2           |
| 31         | Marking pencils                        | As required |
| <b>(C)</b> | <b>Museum</b>                          |             |
| 32         | Articulated Skeleton set               | 7           |
| 33         | Bones (Dis-articulated) sets           | 30          |
| 34         | Specimen Wet                           | 150         |
| 35         | Steel racks                            | As required |
| 36         | Laptop                                 | 1           |
| 37         | Desktop Computer, with Printer         | 3           |
| 38         | Photocopier and Scanner                | 1           |

## 2. PHYSIOLOGY (New List)

| S.No. | NAME OF THE ITEMS   | No. Required |
|-------|---|--------------|
| 1     | Sherrington Starling kymograph (electrically driven)          | 2            |
| 2     | Myograph stand  | 2            |
| 3     | Inductorium   | 2            |
| 4     | Simple key  | 2            |
| 5     | Short circuiting key  | 2            |
| 6     | Pohl's commutator   | 2            |
| 7     | Vibrating interrupter   | 2            |
| 8     | Muscle trough   | 2            |
| 9     | Muscle lever  | 2            |
| 10    | Muscle grip of femur clamp                                    | 2            |
| 11    | Hook and Weight set   | 2            |
| 12    | Heart lever (simple & Starling)                               | 2            |
| 13    | Frog board for dissection                                     | 2            |
| 14    | Enamel tray   | 2            |
| 15    | Frog board cork lined with boss head                          | 2            |
| 16    | Low voltage unit for tapping 2 and 4 volts for stimulation    | 2            |
| 17    | Electromagnetic time marker                                   | 2            |
| 18    | Tuning fork time marker 100/sec                               | 2            |
| 19    | Electrodes  | 2            |
| 20    | X-blocks  | 2            |
| 21    | Spirit lamps  | 2            |
| 22    | Marey's tambour   | 2            |
| 23    | Microscopes, oil immersion                                    | 60+8         |
| 24    | Demonstration eye piece                                       | 4            |
| 25    | Double demonstration eye piece                                | 4            |
| 26    | Stage incubator   | 1            |
| 27    | Westergren's pipette for E.S.R. on stand (with space pipette) | 30           |
| 28    | Wintrobe's pipette for ESR and PCV with stand                 | 30           |
| 29    | Perimeter Pristely Smith S/LP.984 B & T                       | 15           |
| 30    | Hemoglobin-meter Sahli's or Hellige (with spaces)             | 60           |

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| 31 | Hemocytometer  | 60 |
| 32 | Sphygmomanometer (digital) (Mercury based instruments to be replaced with suitable alternatives) | 60 |
| 33 | Stethoscopes   | 60 |
| 34 | Stethoscopes, demonstration with multiple ear pieces   | 4  |
| 35 | Polygraphs   | 1  |
| 36 | Venous pressure apparatus  | 2  |
| 37 | Spirometer, ordinary   | 20 |
| 38 | Gas analysis apparatus, Halden's student type  | 1  |
| 39 | Van Slyke's apparatus manometric   | 1  |
| 40 | Gas analyser automatic for CO <sub>2</sub> , O <sub>2</sub> , N <sub>2</sub>                     | 1  |
| 41 | Douglas bag, complete  | 2  |
| 42 | Basal metabolism apparatus   | 1  |
| 43 | Mosso's Ergograph  | 10 |
| 44 | Clinical thermometer (Mercury based instruments to be replaced with suitable alternative)        | 60 |
| 45 | Compass aesthesiometer   | 20 |
| 46 | Thermo-aesthesiometer  | 20 |
| 47 | Algometer  | 20 |
| 48 | Apparatus for passive movement   | 1  |
| 49 | Knee hammer  | 40 |
| 50 | Stethograph  | 20 |
| 51 | Bicycle Ergometer  | 1  |
| 52 | Olfactometer   | 1  |
| 53 | Ophthalmoscope   | 1  |
| 54 | Schematic eye  | 2  |
| 55 | Phakoscope   | 1  |
| 56 | Perimeter with charts (Lister's)   | 5  |
| 57 | Color perception lantern Edridge green   | 2  |
| 58 | Maddox rod   | 1  |
| 59 | Newtons color wheel  | 1  |
| 60 | Tuning fork to test hearing 32-10000 cps (sets-100, 256, 512 hz)                                 | 20 |
| 61 | Dynamometer  | 2  |
| 62 | Otorhinolaryngoscope   | 1  |
| 63 | Sterilizer electrical  | 1  |
| 64 | Instrument trolley   | 1  |
| 65 | Stop watch   | 20 |
| 66 | Multi channel Physiograph, 3 channels, complete with accessories                                 | 3  |
| 67 | Student physiograph, (single channel) with accessories   | 8  |
| 68 | Centrifuge, high speed with technometer  | 1  |
| 69 | Colorimeter, photoelectric   | 1  |
| 70 | pH meter electric  | 1  |
| 71 | Refrigerator   | 1  |
| 72 | Oxygen cylinder with trolley   | 1  |
| 73 | CO <sub>2</sub> cylinder with trolley  | 1  |
| 74 | Electronic stimulator  | 1  |
| 75 | Water distillation steel with spare heating elements   | 1  |

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| 76 | All glass distillation apparatus double stage  | 1           |
| 77 | Voltage stabilizer   | 1           |
| 78 | Thermometers, balances, microslides and glassware  | As required |
| 79 | Digital Physiograph  | 2           |
| 80 | Models and Charts  | 25 each     |
| 81 | ECG Machine  | 3           |
| 82 | Laptop   | 1           |
| 83 | Desktop Computer, with Printer   | 3           |
| 84 | Photocopier and Scanner  | 1           |
| 85 | Multimedia Projector with screen   | 2           |
|    | <b>Note:</b> The animal experiments included in the curriculum should be demonstrated through CAL, charts/photographs/models and videos. |             |

### 3. BIOCHEMISTRY (New List)

| S.No. | NAME OF THE ITEMS  | No. Required       |
|-------|--|--------------------|
| 1     | Analytical Balance : upto 200g/1gm increment   | 2                  |
| 2     | Urinometers calibrated (Mercury based instruments to be replaced with other alternatives)                | 20                 |
| 3     | Hot air oven (More than 200 litres)  | 2                  |
| 4     | Digital Colorimeters   | 5                  |
| 5     | Student Microscopes  | 5                  |
| 6     | Glucometer with strips ( For POCT )  | 2                  |
| 7     | Thermometer 0 – 250 degree Celsius (Mercury based instruments to be replaced with suitable alternatives) | 5                  |
| 8     | Semi autoanalyser  | 2                  |
| 9     | Boiling Water baths  | 2                  |
| 10    | Constant temperature water bath Tank Capacity: (Temperature range 5 to 80° Celsius)                      | 1                  |
| 11    | Laboratory Reagent Refrigerators, capacity > 200 litres  | 3                  |
| 12    | Complete Chromatographic Unit for paper & TLC  | 2 each             |
| 13    | Centrifuge clinical for ≥ 8 tubes  | 2                  |
| 14    | pH meters of wide range digital  | 5                  |
| 15    | Fixed volume pipettes -- 1ml,0.5ml,0.2ml,0.1ml and 0.02ml  | 5 (of each volume) |
| 16    | Complete Electrophoresis apparatus with power supply (Paper, PAGE, agarose)                              | 1 each             |
| 17    | Densitometer with computer   | 1                  |
| 18    | Bottle dispensers  | 20                 |
| 19    | All glass distillation apparatus   | 1                  |
| 20    | Vortex mixers  | 2                  |
| 21    | Incubator 37°C   | 2                  |
| 22    | Variable and fixed volume micro auto pipettes  | As required        |
| 23    | Glass ware & accessories   | As required        |
| 24    | Fume cupboard  | 1                  |
| 25    | Digital Analytical Balance   | 1                  |
| 26    | Balance Micro  | 1                  |
| 27    | Spectrophotometer  | 1                  |
| 28    | ELISA (Demonstration)  | 1                  |
| 29    | Laptop   | 1                  |